



File No.: U008 0508
GOSO/mib

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Tomasz TROCZYNSKI and Quanzu YANG
Serial No.: 10/083,589
Filed: 27 February 2002
Title: **PROCESS FOR MAKING CHEMICALLY BONDED
COMPOSITE HYDROXIDE CERAMICS**
Examiner: Art Unit:
Date: 9 April 2002

AMENDMENT TRANSMITTAL

Commissioner for Patents
Washington, D. C. 20231

Sir:

Transmitted herewith is a Voluntary Amendment for this application. No additional fee is required.

Please charge any fees in connection with this communication, including any filing fees under 37 CFR 1.16 for the presentation of extra claims and any patent application processing fees under 37 CFR 1.17, or credit any overpayment, to Deposit Account No. 02-1037. A duplicate copy of this transmittal is attached.

Respectfully submitted,
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By:

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IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Inventor(s): Tomasz TROCZYNSKI and Quanzu YANG
Title: **PROCESS FOR MAKING CHEMICALLY BONDED
COMPOSITE HYDROXIDE CERAMICS**
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To: Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

VOLUNTARY AMENDMENT

Preliminary to examination of this application, the applicant wishes to amend the application as follows:

In the Specification

Substitute the following paragraphs for the same-numbered paragraphs of the application as originally filed.

[0003] Chemical reactivity in systems containing phosphoric acid or various forms of phosphates have received attention in scientific and patent literature. Particularly, the refractory applications and dental cements applications of *chemical bonding* (CB) of ceramics through phosphating have been disclosed. (See D. Kingery, "Fundamental Study of Phosphate Bonding in Refractories, Part I,II,III", *J. Am. Cer. Soc.* 33 (1950) 239-50; J. Cassidy, "Phosphate Bonding Then and Now", *Am. Cer. Soc. Bull.* 56 (1977) 640-43; J. Bothe and P. Brown, "Low Temperature Formation of Aluminum Orthophosphate", *J. Am. Cer. Soc.* 76 (1993) 362-68; and J. Bothe and P. Brown, "Reactivity of Alumina towards Phosphoric Acid", *J. Am. Cer. Soc.* 76 (1993) 2553-58.) For example, mixing